

Curriculum Vitae of Md. Nazmus Sakib

Personal Information

First name(s) / Surname(s): Md. Nazmus Sakib

Present Address: B26/02/11, BRP, 3 No West Dhamalkot, Mirpur-15, Dhaka-1206, Bangladesh.

Permanent Address: House No: 209/2, Village: Baniachol, Post Office: Narsingdi Sadar-1600, Sub-district: Narsingdi Sadar, District: Narsingdi, Division: Dhaka, Country: Bangladesh.

Telephone(s): +88-01680017163 (Professional), +88-01970017163 (Personal)

Email: nazmussakib@sau.edu.bd (Professional), nazmus.sau@gmail.com (Personal)

Personal Profile: <https://sites.google.com/view/mdnazmussakib>

University Profile: <https://www.sau.edu.bd/teacher/383>

ResearchGate: <https://www.researchgate.net/profile/Md-Nazmus-Sakib-11>

Date of birth: 08/07/1999

Nationality: Bangladeshi

NID No: 3305212437

Passport No: A01703233

Gender: Male



Work Experience

Lecturer

Sher-e-Bangla Agricultural University (SAU), Dhaka, Bangladesh

Faculty of Fisheries, Aquaculture & Marine Science,

Department of Fisheries Biology and Genetics

Dates: 19/12/2023 – Present

Research Fellow

Aquatic Bioresource Research Laboratory (ABR Lab)

Faculty of Fisheries, Aquaculture & Marine Science,

Department of Fisheries Biology and Genetics

Sher-e-Bangla Agricultural University (SAU), Dhaka, Bangladesh.

Dates: 01/03/2021 – Present

Moderator and Advisor

- *Advisor:* International Association of Students in Agricultural and Related Sciences (IAAS), SAU-Dhaka Unit (19/05/2024 – Present)
- *Moderator:* Sher-e-Bangla Agricultural University Computer Club (SAUCC) (28/05/2024 – Present)
- *Moderator:* Sher-e-Bangla Agricultural University Photographic Society (SAUPS) (15/09/2024 – Present)
- *Moderator:* Bangladesh Fisheries Community (24/03/2017 – Present)

Education

MS in Fisheries Biology and Genetics

Sher-e-Bangla Agricultural University, Dhaka, Bangladesh

Graduation year: 2023

Result: 4.00/4.00 (1st Merit Position)

BSc in Fisheries (Hons)

Sher-e-Bangla Agricultural University, Dhaka, Bangladesh

Graduation year: 2020

Result: 3.96/4.00 (1st Merit Position)

Higher Secondary Certificate (HSC)

Rajuk Uttara Model College, Dhaka Board

Graduation year: 2016

Result: 5.00/5.00

Secondary School Certificate (SSC)

Brahmondi KKM Govt High School, Dhaka Board

Graduation year: 2014

Result: 5.00/5.00 (11th in Dhaka Board)

Research Interests

Marine Fisheries, Aquatic Ecology, Fisheries Resource Management, Environmental DNA (eDNA), Marine Biodiversity, Fish Population Dynamics, Stock Assessment, Fish Population Genetics, Genomics, Fisheries Genetic Engineering, Gene Editing, Fisheries Molecular Biology, Fisheries Biotechnology, Marine Biology, Marine and Coastal Ecosystems, GIS and Remote Sensing in Marine Fisheries, Oceanography, and Climate Change.

Publications

Scientific Papers:

1. Habib, K. A., Islam, M. J., **Sakib, M. N.**, Brishti, P. S., & Neogi, A. K. (2023). DNA barcoding of reef-associated fishes of Saint Martin's Island, Northern Bay of Bengal, Bangladesh. *Ecology and Evolution*, 13(10), e10641.
2. Hannan, M. A., Mahmud, M. S., Absar, M. N., Khan, N. A., **Sakib, M. N.**, Kamal, S. A., Rana, M. M. (2023). Cyclical disparity on catch configuration and effects of fishing gears on fish production of the north-western part of the Chalan Beel, Bangladesh. *International Journal of Fisheries and Aquatic Studies*, 11(2):42-49. DOI: <https://doi.org/10.22271/fish.2023.v11.i2a.2789>

Books and Manuals:

1. Habib, K. A., **Sakib, M. N.**, Habib, F. B., Hossain, M. J., Adhikary, N. R., Azam, M. S. and M. Z. H. Chowdhury. 2024. Technology Transfer and Operation Manual on Hilsa and Other Marine Fish Canning for Small and Medium-Scale Industrial Entrepreneurs. Aquatic Bioresource Research Lab., Department of Fisheries Biology and Genetics, Faculty of Fisheries, Aquaculture and Marine Science, Sher-e-Bangla Agricultural University (SAU), Dhaka-1207, Bangladesh.
2. Habib, K. A., **Sakib, M. N.**, Habib, F. B., Hossain, M. J., Adhikary, N. R., Azam, M. S. and M. Z. H. Chowdhury. 2023. Production of Safe Dried Fish Using SAU DoF Smart Solar Sun Dryer. Aquatic Bioresource Research Lab., Department of Fisheries Biology and Genetics, Faculty of Fisheries, Aquaculture and Marine Science, Sher-e-Bangla Agricultural University (SAU), Dhaka-1207, Bangladesh.

Contributing Authorship in Books:

1. Suominen, S., Provoost, P., Principe, S., Boulanger, E., Burrows, M. T., Campoy, A. N., ... & Appeltans, W. (2024). *Engaging communities to safeguard ocean life: UNESCO Environmental DNA Expeditions*. UNESCO, Paris, France. <https://unesdoc.unesco.org/ark:/48223/pf0000392159>
2. Lee, Y. H., Nor, S. A. M., Yusuf, Y., Abidin, D. H. Z., Metillo, E. B., Habib, K. A., Simbolon, A. R., Aji, L. P., Arifin, Z., Pratiwi, R., Woo, S. P., Tan, S. H., Fujita, T. (2023). *Probing into marine life with DNA barcode in the tropical Indo-Pacific*. UNESCO, Paris, France. <http://ebook.gointro.com/books/lqeg/#p=1>

Popular Articles:

1. Habib, K. A., **Sakib, M. N.**, Chowdhury, M. Z. H. (2024). Hilsa canning: An achievement in fish processing research of Sustainable Coastal and Marine Fisheries Project. *National Fish Week 2024 Compendium (in Bangla)*. Department of Fisheries, Ministry of Fisheries and Livestock, Bangladesh.
2. Habib, K. A., **Sakib, M. N.**, Alim, M. A. (2023). SAU-DOF Smart Solar-Sun Dryer: An Effective System for Quality Dried Fish Production Using Renewable Energy. *National Fish Week 2023 Compendium (in Bangla)*. Department of Fisheries, Ministry of Fisheries and Livestock, Bangladesh.

Oral Presentations:

1. "Plastic and other anthropogenic debris in beach and marine habitats with its prevalence in fishes of Saint Martin's Island, Bangladesh" presented at the International Symposium on Marine Litter and Coastal Ecosystem Nexus (MariNEX), organized by the Fisheries and Marine Resource Technology Discipline, Khulna University, Khulna, Bangladesh (2025).
2. "Genetic Diversity, Population Structure and Demographic History of Orange Mud Crab *Scylla olivacea* from the Bay of Bengal, Bangladesh and Adjacent Seas in the Northern Indian Ocean Inferred from mtDNA Sequence Analysis" presented at the International Fisheries and Aquaculture Conference 2024, organized by the Faculty of

Fisheries, University of Rajshahi and Bangladesh Fisheries Research Forum (BFRF), University of Rajshahi, Rajshahi, Bangladesh (2024).

3. "Geographic distribution pattern and genetic connectivity of Chinese Silver Pomfret (*Pampus chinensis*) populations across the northern Bay of Bengal and Indo-west Pacific region" presented at the 2nd UN Ocean Decade Regional Conference & 11th WESTPAC International Marine Science Conference, Bangkok, Thailand (2024).
4. "Genetic Diversity, Population Structure and Demographic History of Orange Mud Crab *Scylla olivacea* from the Bay of Bengal, Bangladesh and Adjacent Seas in the Northern Indian Ocean Inferred from mtDNA Sequence Analysis" presented at the 2nd UN Ocean Decade Regional Conference & 11th WESTPAC International Marine Science Conference, Bangkok, Thailand (2024).

Poster Presentations:

1. "Assessing shellfish diversity of aquatic habitats of the Sundarbans mangrove ecosystem of Bangladesh" presented at the 2nd UN Ocean Decade Regional Conference & 11th WESTPAC International Marine Science Conference, Bangkok, Thailand (2024).
2. "Development of Ready-to-Eat Canned Hilsa Shad: Potential for Entrepreneurship and Export" presented at the 1st International Fisheries and Aquaculture Conference (IFAC), Rajshahi (2024).
3. "Development of an integrated Solar-Sun Dryer for Quality and Safe Dried Fish Production" presented at the 1st International Fisheries and Aquaculture Conference (IFAC), Rajshahi (2024).
4. "First attempt to assess fish diversity of the Sundarbans mangrove wetland and Saint Martin's coral island of Bangladesh using eDNA metabarcoding" presented at the 4th International Workshop for Mangrove Biodiversity Studies by eDNA Metabarcoding, Malaysia.
5. "Genetic diversity and population structure of Asian green mussel (*Perna viridis*) in the Bay of Bengal, Bangladesh" presented at the 2nd International Conference on Sustainable Fisheries (ICSF) 2022, Sylhet Agricultural University, Sylhet.
6. "Genetic diversity and population structure of Flathead sillago, *Sillaginopsis domina* in the northern Bay of Bengal, Bangladesh" presented at UN Decade of Ocean Science – Imperatives for Bangladesh, Bangabandhu Sheikh Mujibur Rahman Maritime University (BSMRMU), Bangladesh.
7. "Population genetic structure and diversity of Paradise threadfin (*Polynemus paradiseus*) in the Bangladesh coast of the northern Bay of Bengal" presented at UN Decade of Ocean Science – Imperatives for Bangladesh, Bangabandhu Sheikh Mujibur Rahman Maritime University (BSMRMU), Bangladesh.

Awards and Scholarships

1. **Bangabandhu Sheikh Mujib Scholar Award (2022):** Awarded by the Prime Minister's Educational Assistance Trust, Bangladesh, for academic excellence, research, and extracurricular achievements.
 2. **National Science and Technology (NST) Fellowship (2023-24):** Awarded by the Ministry of Science and Technology, Bangladesh.
 3. **UGC Merit Scholarship (2022):** Awarded for securing 1st Merit Position during Bachelor studies.
 4. **SSC "Medha Talent" Scholarship (2014):** Awarded for achieving 11th place in Dhaka Board.
 5. **JSC "Talent Pool" Scholarship (2011):** Awarded for securing 2nd place in Narsingdi District.
 6. **Primary School "Talent Pool" Scholarship (2008):** Awarded for securing 5th position in Narsingdi Sadar Upazila.
-

Extracurricular Activities & Experiences

- **President (Executive Committee 2022-23):** Sher-e-Bangla Agricultural Computer Club (SAUCC) (07/03/2022 – 17/05/2023)
 - **Event Planning Secretary (Executive Committee 2020-22):** Sher-e-Bangla Agricultural University Photographic Society (SAUPS) (04/02/2020 – 23/01/2023)
 - **Communication and IT Secretary (Executive Committee 2022-26):** Bangladesh Fish Hospital (16/09/2022 – Present)
 - **Joint Secretary (Executive Committee 2020-22):** Sher-e-Bangla Agricultural University Entrepreneurship Development Club (SAUEDC) (13/05/2019 – 15/01/2022)
 - **Campus Ambassador:** Grameenphone Campus Ambassador Program (01/01/2018 – 31/12/2018)
 - **Campus Director:** Hult Prize Program 2018, Sher-e-Bangla Agricultural University (01/07/2018 – 30/06/2019)
-

Training, Courses and Workshops

1. **Training on Basic R & Molecular Analysis:** Sher-e-Bangla Agricultural University, Sher-e-Bangla Nagar, Dhaka-1207, Bangladesh (22 November, 2024 -18 January 2025)
2. **Integrated Training on Data Analysis with Python and Research Paper Publication:** ANGAN, Chittagong Veterinary & Animal Science University, CVASU, Chattogram, Bangladesh (13 December, 2024- 11 January, 2025)
3. **7th International Workshop for Mangrove Biodiversity Studies by eDNA Metabarcoding:** University of the Ryukyus, Japan (16-23 July, 2024)
4. **Training Workshop on Monitoring Marine Fish Communities with Environmental DNA Method:** Phuket, Thailand (27–29 November, 2023)

5. **Bioinformatics for Beginners:** National Institute of Biotechnology, Dhaka (10-11 January, 2023)
6. **Workshop on Cybersecurity Awareness:** Bangladesh Telecommunication Regulatory Commission and Cyber Crime Awareness Foundation (13 October, 2022)
7. **Training on using SPSS for Biological Science & Field Research:** SAU Computer Club (25-27 August, 2022)
8. **Training on using SPSS for Social Science Research:** SAU Computer Club (18-27 August, 2022)
9. **Certificate Course on Exploring Ocean, Explore the Planet Earth:** Octophin, University of Chittagong (20-26 August, 2020)
10. **Certificate Course on Microsoft Office Applications:** SAU Computer Club (07 November 2019 – 07 February 2020)
11. **Training Program on Graphic Design:** Creative IT Institute, Dhanmondi, Dhaka (26-28 August, 2019)
12. **Training on BFRI Evolved Technology for Fisheries Development:** Bangladesh Fisheries Research Institute-BFRI, Mymensingh (05-07 December, 2018)
13. **Training on Integrated Rooftop Agriculture Management:** Chittagong Veterinary & Animal Science University (17 February, 2018)
14. **1st Aquaponics Training for the Beginners:** Bangladesh Agricultural University, Mymensingh (22-23 September, 2017)

Development of National Web Portals on Aquatic and Marine Biodiversity of Bangladesh

1. **Marine Biodiversity Portal of Bangladesh** (www.marinebiodiversity.org.bd)
Citation: Habib KA, Sakib MN, Islam MJ, Omar MIA. 2023. Marine biodiversity portal of Bangladesh.
2. **Freshwater Biodiversity Portal of Bangladesh**
(www.freshwaterbiodiversity.org.bd) Citation: Habib KA, Sakib MN, Zannat N, Parvin M, Omar MIA. 2023. Freshwater biodiversity portal of Bangladesh.

Research Cruise

- **Environmental DNA Expeditions in UNESCO World Heritage Marine Sites:** Sundarbans mangrove forest, Bangladesh (January 2023). Details: <https://www.unesco.org/en/articles/school-aged-pupils-and-university-students-join-unesco-environmental-dna-sampling-sundarbans?hub=66910>
- **Environmental DNA Sampling in Ranchi Island and Hae Island by Marine Research Vessel of Department of Marine and Coastal Resources, Thailand** (27-29 November 2023). Details: <https://ioc-westpac.org/event/environmental-dna-method/>

Languages

- **Bangla:** Native
- **English:** Proficient

Skills

- Proficient in Microsoft Office Applications, qGIS Mapping, MEGA, Chromas, DNAsp, Arlequin, R Programming.
- Expertise in Adobe Photoshop, Illustrator, Premiere Pro, and After Effects.

References

1. **Prof. Dr. Kazi Ahsan Habib**
Dean, Faculty of Fisheries, Aquaculture and Marine Science, Sher-e-Bangla Agricultural University (SAU), Dhaka, Bangladesh.
Email: habibka@sau.edu.bd | Phone: +88-01713682290
2. **Sheikh Rezaul Karim**
Registrar, Sher-e-Bangla Agricultural University (SAU), Dhaka, Bangladesh.
Email: registrar@sau.edu.bd | Phone: +88-01819-201020